Appl. No. 10/034,192   Attorney Docket No. 81747.0210
Amdt. Dated August 17, 2006   Customer No.: 26021
Reply to Office Action of May 25, 2006

__Amendments to the Claims__:

    This listing of claims will replace all prior versions, and listings, of claims in the application:

__Listing of Claims__:

    1.   (Canceled)

    2.   (Currently Amended) An apparatus for configuring a device environment for a system of one or more connected devices, each device having a device profile, the system running an operation system (OS), the apparatus comprising:

    a device profile display controller for generating a display, based on a connection status of one or more devices in the system, of device profiles from system configuration information managed by the system OS in selected display groups; and

    a device profile setting section for writing a device profile for a device to the system configuration information so that the profile corresponds to the connection status of the device;[[.]]

    ~~The apparatus of claim 1,~~ wherein the device profile setting section comprises:

an input/output controller for inputting information to be written to a device profile in the system configuration information based on connections of the devices displayed by the device profile display controller;

a device profile editor for editing the device profile based on information inputted by the input/output controller;

a device profile verification unit for verifying the device profile edited by the device profile editor; and

a device profile updating unit for updating a device profile in the system configuration information.

3.   (Currently Amended)   The apparatus of claim [[1]]2, wherein the device profile display controller displays one or more devices in the system in a device tree format according to selected display groups.

4.   (Original)   The apparatus of claim 3, wherein the display groups enable devices to be displayed by device class.

5.   (Original)   The apparatus of claim 3, wherein the display groups separate the devices by connection port, and display devices by connection status.

6.   (Currently Amended)   The apparatus of claim [[1]]2, wherein the device profile display controller displays the device profile for the device categorized by a parameter.

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7.   (Original)   The apparatus of claim 2, wherein the device profile editor comprises:

a device profile generating section for adding a new device profile including a device identifier specifying a device in the system, and device communication parameters;

a device profile changing section for changing the device identifier and device communication parameters set in the device profile added to the system configuration information by the device profile generating section; and

a device profile deleting section for deleting a device profile added by the device profile generating section from the system configuration.

8.   (Original)   The apparatus of claim 7, wherein the device profile generating section adds the new device profile for a device in a specific sequence.

9.   (Original)   The apparatus of claim 7, wherein the device identifier specifying a particular device added by the device profile generator includes a logical device name for the device.

10.   (Original)   The apparatus of claim 7, wherein the device profile generating section batch adds devices to a system integrating plural devices of different device classes.

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11.   (Original)   The apparatus of claim 7, wherein the device profile deleting section deletes all devices connected to a selected device based on the connection status of the selected device.

12.   (Original)   The apparatus of claim 7, wherein the device profile changing section batch changes the connection of a selected device connected to a port from which it is moved and the connection of all devices connected thereto to a port to which the selected device is moved.

13.   (Original)   The apparatus of claim 7, wherein the device profile changing section changes only a selected setting for a device.

14.   (Original)   The apparatus of claim 13, wherein the selected setting is a device communication parameter.

15.   (Original)   The apparatus of claim 13, wherein the selected setting is the logical device name of the device.

16.   (Canceled)

17.   (Currently Amended)   A method for configuring a device environment for a system of one or more connected devices, each device having a device profile, the system running an operating system (OS), the method comprising:

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displaying, based on a connection status of one or more devices in the system, device profiles from system configuration information managed by the system OS in selected display groups;

writing a device profile for a device to the system configuration information so that the profile corresponds to the connection status of the device;

~~The method of claim 16,~~ wherein the writing step comprises:

receiving input of information to be written to a device profile in the system configuration information based on connections of the devices displayed in the displaying step;

editing the device profile based on information inputted in the inputting step;

verifying the device profile edited in the editing step; and

updating a device profile in the system configuration information.

18.   (Currently Amended)   The method of claim [[16]]17, wherein the displaying step comprises displaying one or more devices in the system in a device tree format according to selected display groups.

19.   (Original)   The method of claim 18, wherein the display groups enable devices to be displayed by device class.

20.   (Original)   The method of claim 18, wherein the display groups separate the devices by connection port, and display devices by connection status.

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21.   (Currently Amended)   The method of claim [[16]]17, wherein the displaying step comprises displaying device profile for the device categorized by a parameter.

22.   (Original)   The method of claim 17, wherein the editing step comprises one or more steps selected from a group consisting of:

adding a new device profile including a device identifier specifying a device in the system, and device communication parameters;

changing the device identifier and device communication parameters set in a device profile in the system configuration information; and

deleting a device profile from the system configuration.

23.   (Original)   The method of claim 22, wherein the adding step adds settings for a device in a specific sequence.

24.   (Original)   The method of claim 22, wherein the device identifier specifying a particular device added in the adding step includes a logical device name for the device.

25.   (Original)   The method of claim 22, wherein the adding step batch adds devices to a system integrating plural devices of different device classes.

26.   (Original)   The method of claim 22, wherein the deleting step deletes all devices connected to a selected device based on the connection status of the selected device.

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27. (Original) The method of claim 22, wherein the changing step batch changes the connection of a selected device connected to a port from which it is moved and the connection of all devices connected thereto to a port to which the selected device is moved.

28. (Original) The method of claim 22, wherein the changing step changes only a selected setting for a device.

29. (Original) The method of claim 28, wherein the selected setting is a device communication parameter.

30. (Original) The method of claim 28, wherein the selected setting is the logical device name of the device.

31. (Currently Amended) A computer-usable medium carrying computer program instructions capable of implementing the method as described in any of claims [[16]]17 to 30.

32. (Currently Amended) The computer-usable medium of claim 31, comprising a compact disc, a floppy disk, a hard disk, a magneto-optical disk, a digital video/versatile disc, a magnetic tape, or a semiconductor memory, or a carrier wave.